



JSPS

JSPS and its International Programs

Japan Society for the Promotion of Science

8th July 2019

- Established in 1932 (with an imperial endowment)
- Five pillars:
 - (i) Create the World-class Knowledge in Diverse Fields
 - (ii) Foster the Next Generation of Researchers who Challenge to Create New Genres of Knowledge
 - (iii) Improve the Education/Research Functions that Leverage the Strengths of Universities, etc.
 - (iv) **Build the Robust International Research Base**
 - (v) Build the Comprehensive Academic Information Analysis Base
- Supports **curiosity-driven** researches in **all disciplines:**
 - a full range of creative and pioneering research
 - from basic to applied field
 - across humanities, social science, and natural sciences.

JSPS: Our Mission and Activities

JSPS

Create World-class
Knowledge in Diverse
Fields

*Competitive Research Funding:
Grants-in-Aid*

Foster Next Generation
of Researchers who
Challenge to Create
New Genres of
Knowledge

*Research Fellowships for
Young Scientists*

Improve
Education/Research
Functions that
Leverage Strengths of
Universities, etc.

Joint Programs with MEXT

Build Robust International Research Base

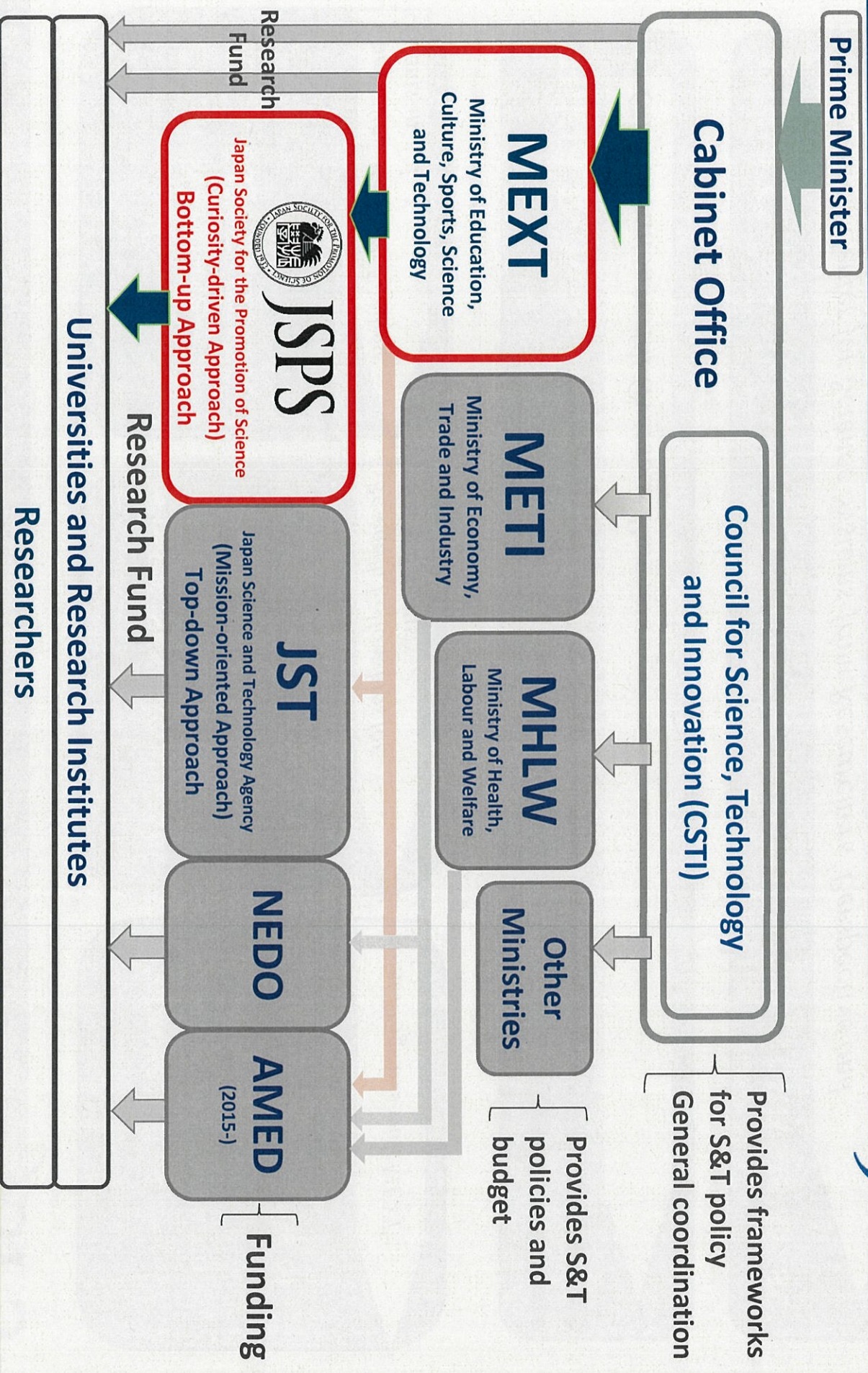
Collaborations with Overseas Partners

Build Comprehensive Academic Information Analysis Base

*Research Center for Science Systems-from Researchers' Perspective and
Center for Science Information Analysis*

S&T Policy System in Japan

JSPS



JSPS: Basic Features in its Program Operation JSPS

What is JSPS:

- It is Japan's core funding agency.
- It places high value on both researcher autonomy and research diversity.

What does JSPS support:

- From basic to applied research conducted based on the free ideas of researchers.
- Covers the entire spectrum of academic fields including humanities, social sciences, and natural sciences.

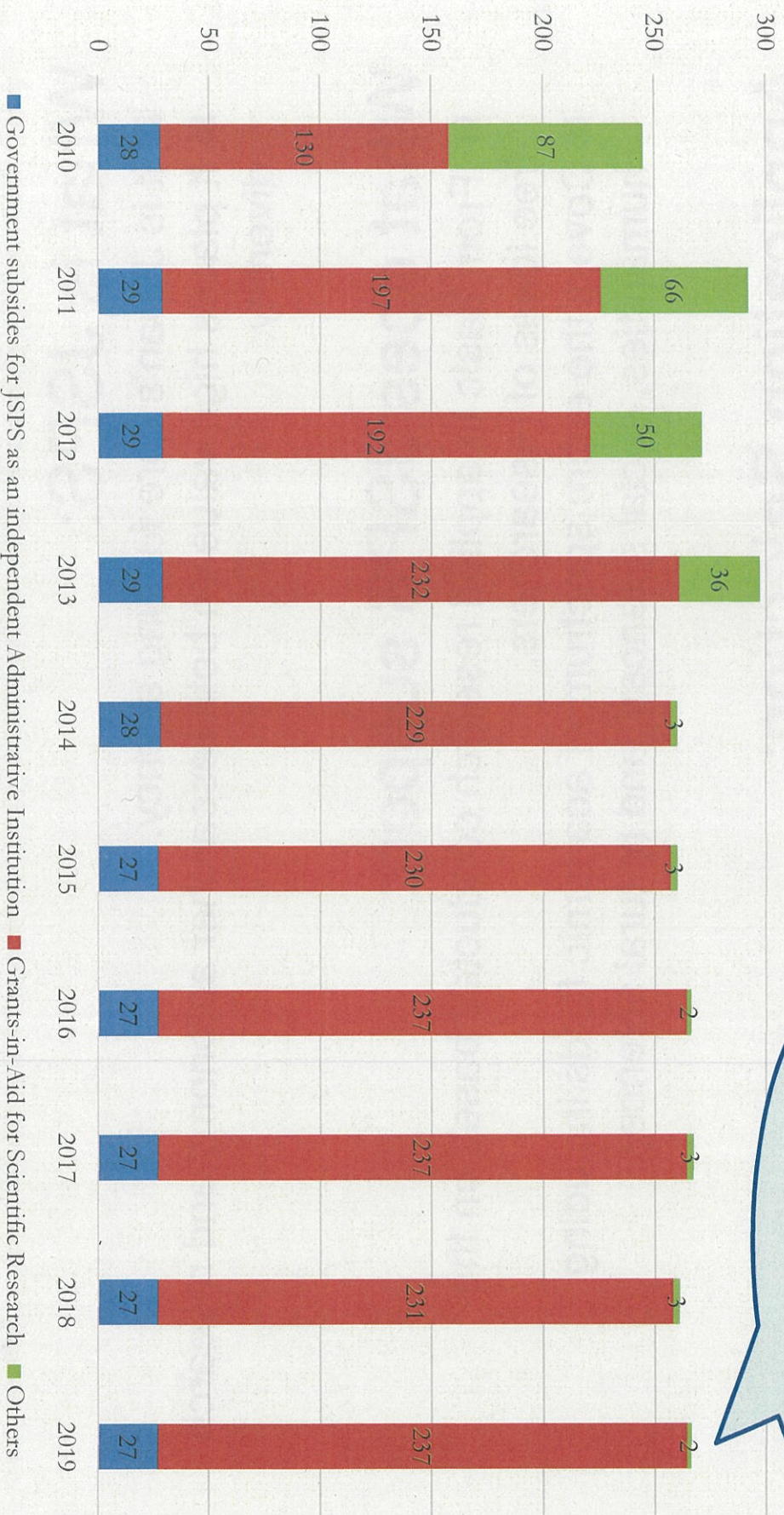
Application Selection:

- Bottom-up approach; invite applications through open calls.
- Competitive funding; evaluate through peer review.
- Fair and transparent screening; select based on academic merit.

JSPS Budget

JSPS

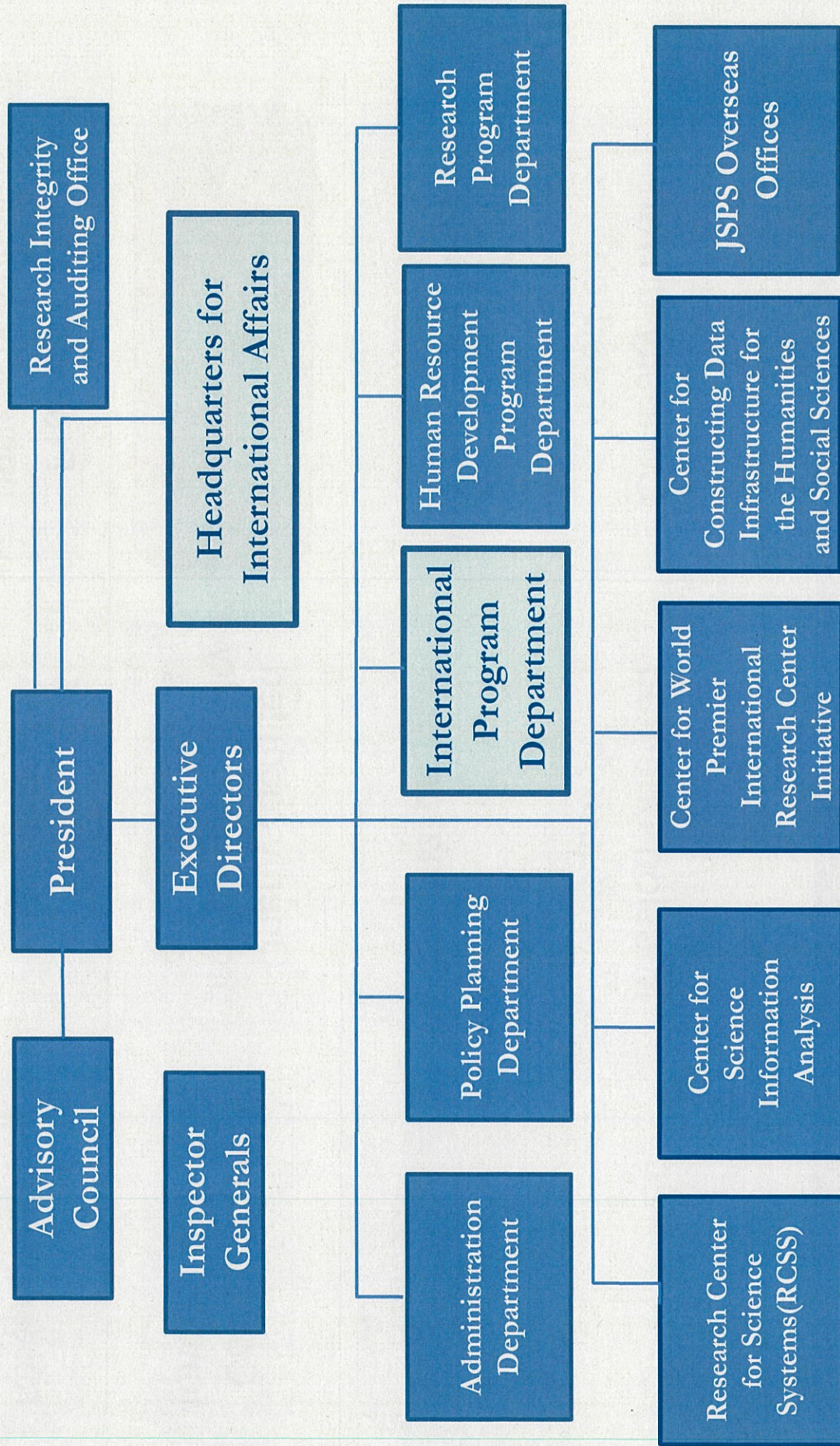
(Unit: Bill. Yen)



Total: 266 billion JPY
(2.38 billion USD)

JSPS Organization Chart (from April 2018)

JSPS



Framework for Funding Research

JSPS

Mission-oriented research		Curiosity-driven research
Priority Research	National projects	Institutionally targeted research
Competitively funded research	Openly recruited projects on ministry-endorsed topics	Grants-in-Aid (JSPS)
Research funded by operational expenses	_____	Projects using university's basic research funds

Grants-in-Aid for Scientific Research (KAKENHI) JSPS

科研費
KAKENHI

- ✓ competitive funds
 - ✓ all scientific research (research based on the free ideas of the researcher)
 - ✓ curiosity-driven research
 - ✓ rigorous screening process
- The screening committee consists of approx. 6,000 reviewers



International Programs

- Focus placed on mobilizing researchers.
- Aimed to establish robust international cooperative networks.

(1) Supporting International Joint Research and Seminars
Bilateral Programs
Core-to-Core Program

(2) Providing Platforms for International Training Opportunities for Young Researchers
Frontiers of Science (FoS) Symposia
HOPE Meetings with Nobel Laureates

(3) Inviting Researchers to Japan
Postdoctoral Fellowships for Overseas Researchers
Invitation Fellowships for Research in Japan

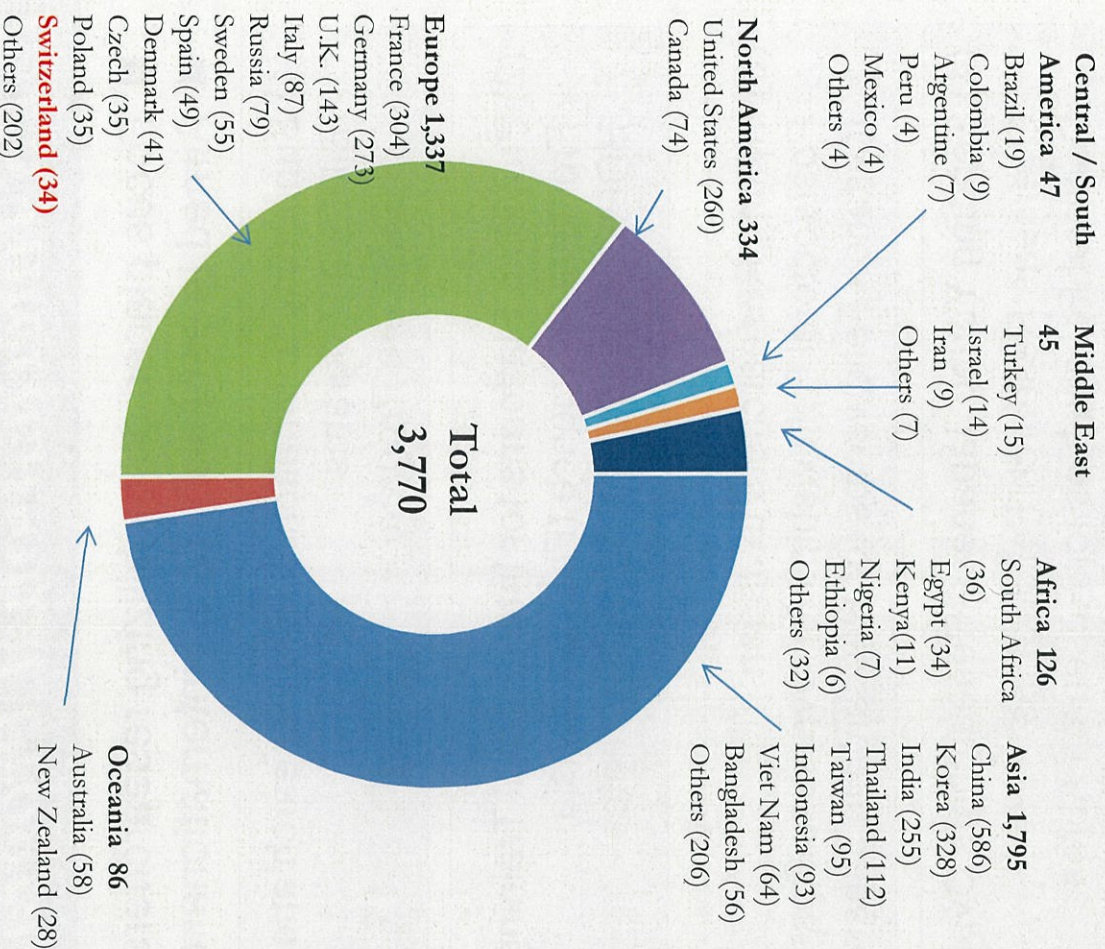
(4) Sending Young Japanese Researchers Overseas
Overseas Research Fellowships
Doctoral Fellowships for Research Abroad

(5) Support Globalization of Universities
Support through JSPS Overseas Offices

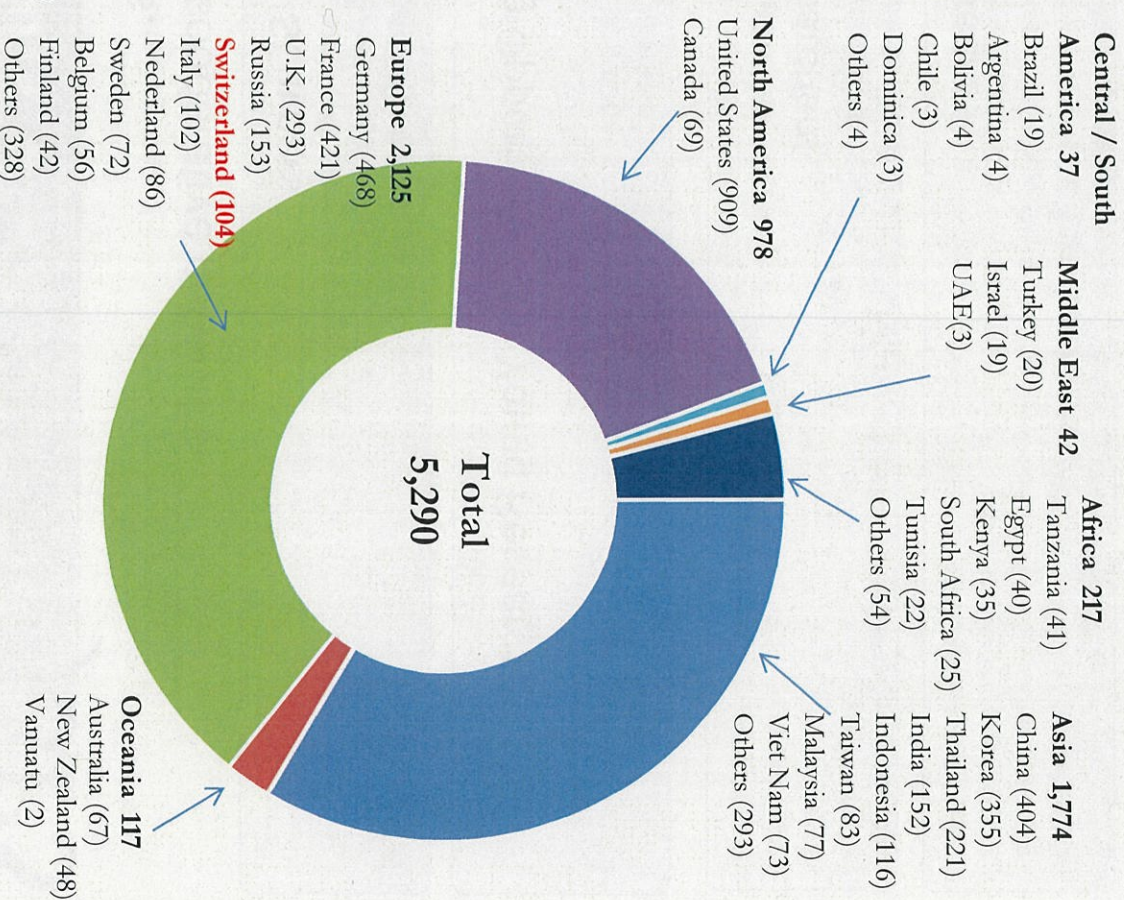
Number of Researchers Exchanged under JSPPS Programs

JSPPS

◆ Foreign Researchers → Japan (FY2017)

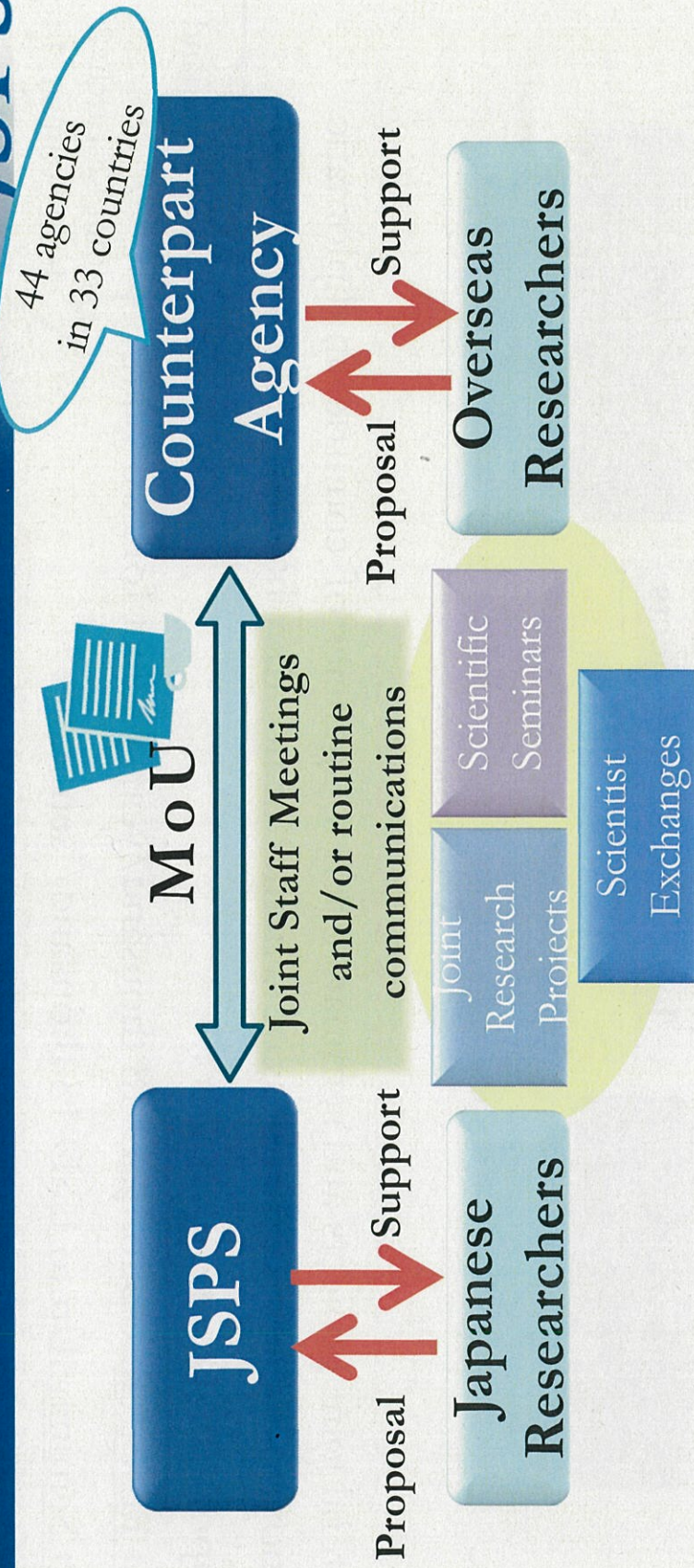


◆ Japanese Researchers → Abroad (FY2017)



Bilateral Cooperation Based on MoUs

JSPS



Purpose: To promote and support academic cooperation between highly qualified

Japanese and overseas researchers

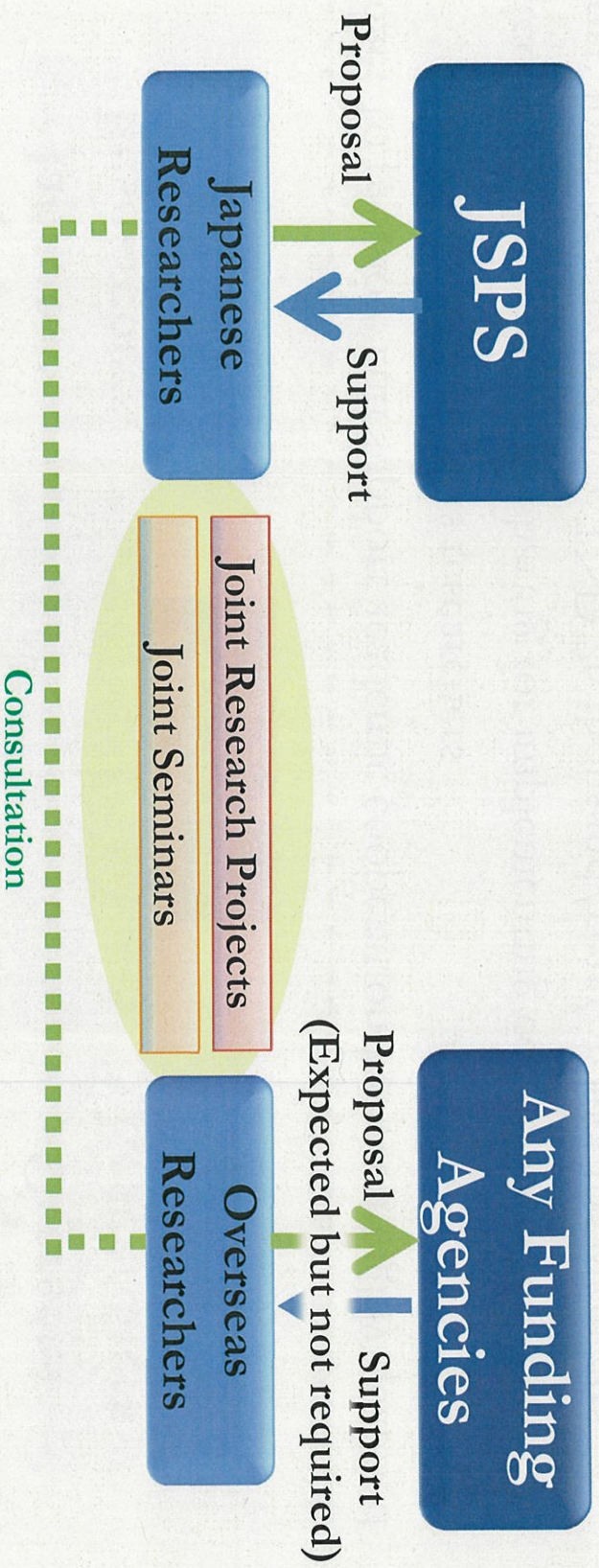
Practice: Equal or cross cost sharing for implementing cooperative activities

Support: Joint Research: Up to USD 26 thousand/year/project for two years

Joint Seminar: Up to USD 22 thousand/ seminar

Bilateral Cooperation without MoUs: Open Partnership Joint Projects/Seminars

JSPS



Bilateral joint projects and seminars open to agencies of countries in diplomatic relations with Japan regardless of whether or not they have an MoU with JSPS.

Support for Japanese Team :

Joint Research: Up to USD 18 thousand/year/project for two years

Joint Seminar: Up to USD 18 thousand/ seminar

With Switzerland
(2019)
Joint Research: 2
Joint Seminar: 1

Creating Research Hubs – Core-to-Core Program–JSPS

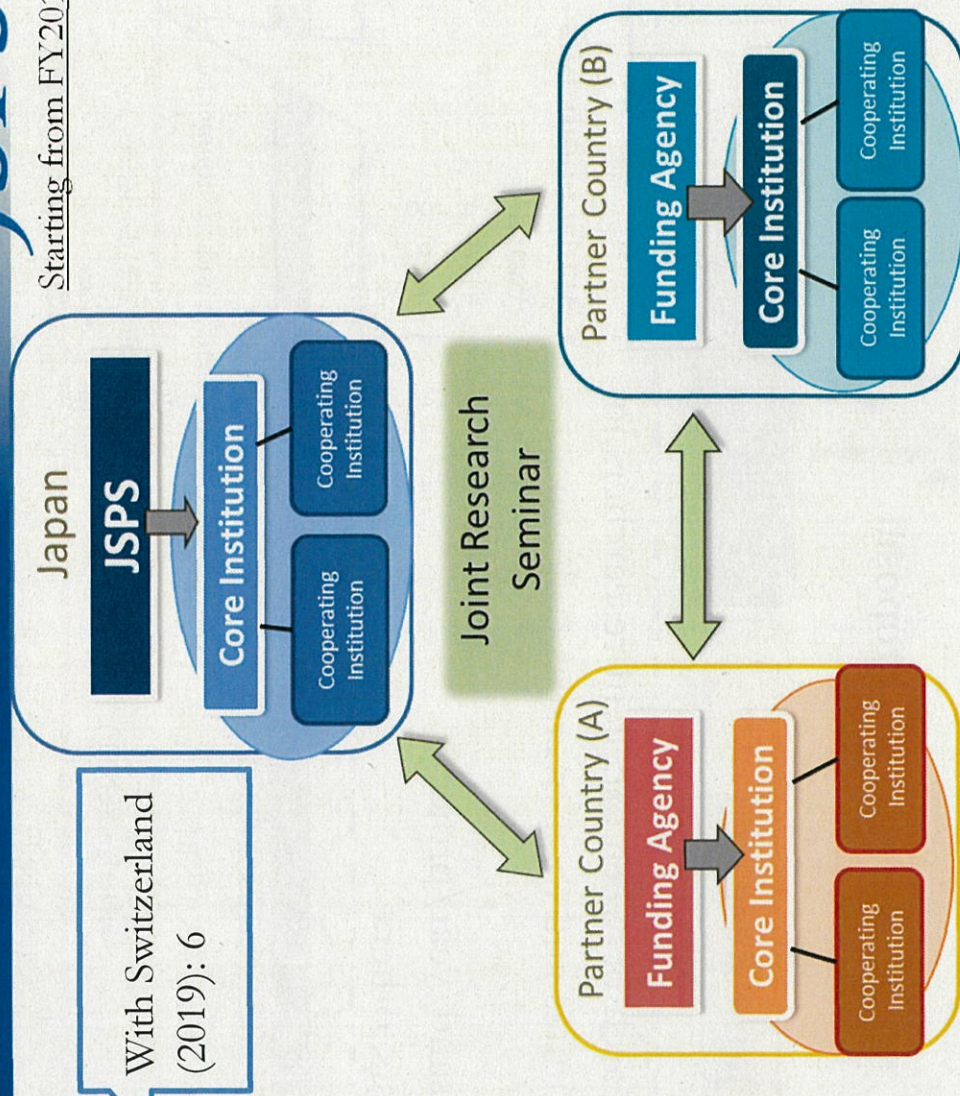
Starting from FY2012

A. Advanced Research Networks

- Target: Any country in the world
- Objective:
 - Promote International collaboration in cutting edge fields by creating world-class research hubs
 - Foster new generations of talented young researchers in Japan and other countries
- Grants: Up to USD 160 thousand /year
- *Partner institutions are required to cover their own expenses. (cf. international exchange fees etc.)
- Project Duration: 5 years

B. Asia-Africa Science Platforms

- Target: Asian and/or African countries / regions
- Objective:
 - Japanese research institutions take the lead in building research hubs and fostering young researchers to contribute to Asian/African region
- Grants: Up to USD 70 thousand /year from JSPS
- Project Duration: 3 years

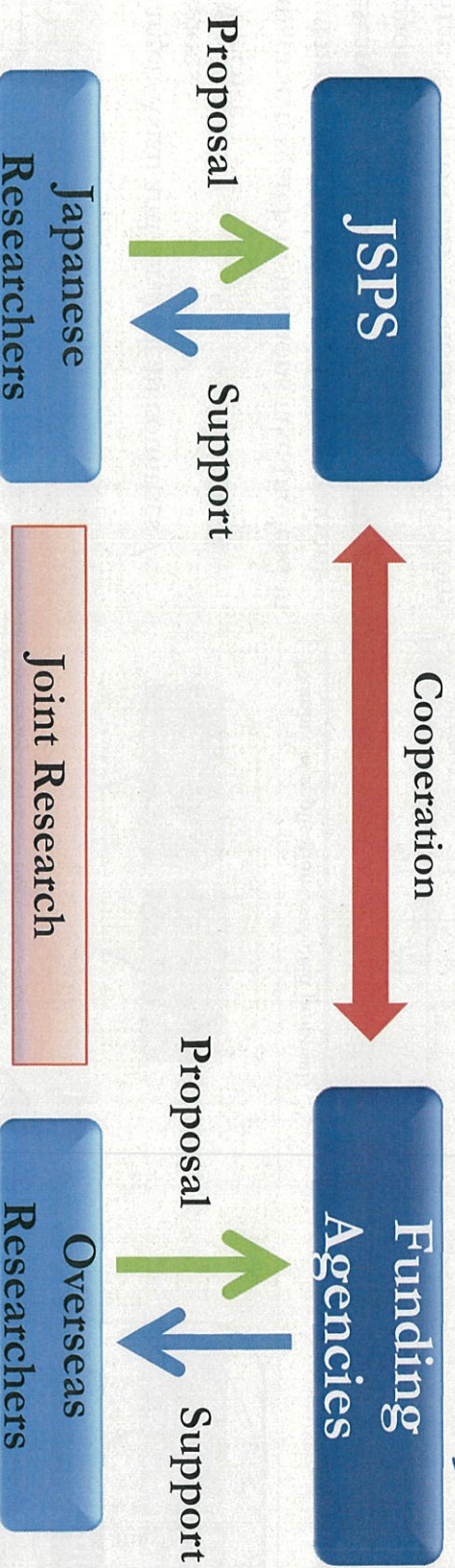


Number of applications/selected proposals

	FY2014		FY2015		FY2016		FY2017		FY2018	
	App.	Sel.	App.	Sel.	App.	Sel.	App.	Sel.	App.	Sel.
A. Advanced	41	8	45	7	54	7	55	8	59	8
B. Asia-Africa	56	10	41	10	77	12	70	12	77	10

International Joint Research Program

JSPS



Purpose: To advance collaborative research between excellent researchers in Japanese universities and institutes and their overseas colleagues

Project Period: 2-5 years

Project Funding: Up to USD 88 thousand/year/project

Support: Research expenses, Travel costs, others

Actual number of Awards
2016: 4
2018: 8

	Program	Counterpart	Research Fields
Bilateral	JRPs-LEAD with DFG	Germany (DFG)	Geosciences
	JRPs-LEAD with UKRI	UK(UKRI)	Life sciences and environmental sciences
	Joint Research Projects with SNSF (JRPs)	Switzerland(SNSF)	Humanities, social sciences and natural sciences
	JSPS-NSF Partnerships for International Research and Education (JRPs-PIRE)	USA(NSF)	Humanities, social sciences and natural sciences
Multilateral	Open Research Area for the Social Science (JRPs-ORA)	France(ANR), Germany(DFG), UK(ESRC), Netherlands(NWO)	Social Sciences

HOPE Meetings with Nobel Laureates

JSPS

Outline

- Give opportunities for excellent PhD students and young researchers in the Asia-Pacific and Africa to engage in interdisciplinary discussions with Nobel laureates and their own peers.
- Foster future scientific leaders in the region
- Cultivate participants' wider perspectives and deepen their knowledge through various programs with the laureates and their peers.

The 11th HOPE Meeting with Nobel Laureates

Date & Place:

March 4-8, 2019, Okinawa

Theme: Physics, Chemistry, Physiology/
Medicine and related fields

Participants :

104 PhD students and young researchers
from Japan, Bangladesh, China, Egypt, India,
Indonesia, Israel, Kenya, Korea, Malaysia,
Myanmar, Nepal, New Zealand, Philippines, Singapore,
South Africa, Taiwan, Thailand, Vietnam

Participated Nobel Laureates (11th Meeting)

Prof. Takaaki Kajita (Physics 2015)
Prof. Hiroshi Amano (Physics 2014)
Prof. Aaron Ciechanover (Chemistry 2004)
Prof. Ada Yonath (Chemistry 2009)
Prof. Ben L. Feringa (Chemistry 2016)
Prof. Tim Hunt (Physiology/Medicine 2001)



Fellowship Programs to Japan

JSPS



Ph.D

Career Stages of Researchers

Nobel Prize level

Ph.D. Courses

6 years after Ph.D. Mid career

Professor

Postdoctoral Fellowships
for Research in Japan

Invitational Fellowships
for Research in Japan

Standard

1 - 2 years

About 340

Long-term

2 - 10 months

About 60

Short-term

14 - 60 days

About 170

Short-term S

7 - 30 days

A Few

Summer Program

2 months
About 100

Strategic Program

2 - 12 months
About 50

(Nomination Only)

Short-term

1 - 12 months
About 140

From Switzerland (2018): 16

Number of invited fellows (All)

	2016	2017	2018
Postdoctoral Fellowships	1,126	1,142	1,150
Invitation Fellowships	Long	97	96
		257	207
		2	4
			79
			178
			4

Support for Outbound Young Japanese Researchers

Overseas Research Fellowships<Individual Support>

Since 1982

FY 2016: 411 persons / 24 countries

FY 2017: 405 persons / 27 countries

Tenure: 2 years

Financial Support:

USD 42 -58 thousand / year / person

Program for Advancing Strategic International Networks to Accelerate the Circulation of Talented Researchers <Organizational Support>

Since 2014

	2012	2013	2014	2015	2016
Projects	124	84	80	64	48
Countries	55	46	49	48	49
Dispatched	530	387	782	758	550
Invited	—	—	88	220	320

Duration of Projects: 1 - 3 years

Financial Support:

Up to USD 350 thousand / year / project

(*however, the first year USD 220 thousand / year / project)

Challenge Program for Young researchers

■ New Program (from FY 2017)

- ✓ This program gives doctoral students an opportunity to go overseas to challenge a new research environment
- ✓ Period of Overseas Stay : 3 to 12 months
- ✓ Number of Participants: About 140
- ✓ Financial Support: Roundtrip international airfare, Maintenance allowance (8,980~12,570 USD, depending on the country), Bench fees (Up to 1,800 USD)



- Forum of **Heads of Research Councils (HORCs)** from around the world
- Provides a forum for HORCs to:
 - Address common issues
 - Build trust between research funding organizations
 - Endorse common Principles for fostering research cooperation



Sao Paulo Annual Meeting in 2019

- **8th Annual Meeting**

May 2019 in São Paulo [FAPESP, DFG and CONICET]

- ◆ **Participants**

About **100** delegates attended with about **60** Heads of Research Councils from more than **50** countries.



Sao Paulo Annual Meeting in 2019

- ◆ **Achievements**

Endorsement of “Statement of Principles:

Addressing Expectations of Societal and Economic Impact

Discussion on “A Looking Ahead to 2020” to be further advanced

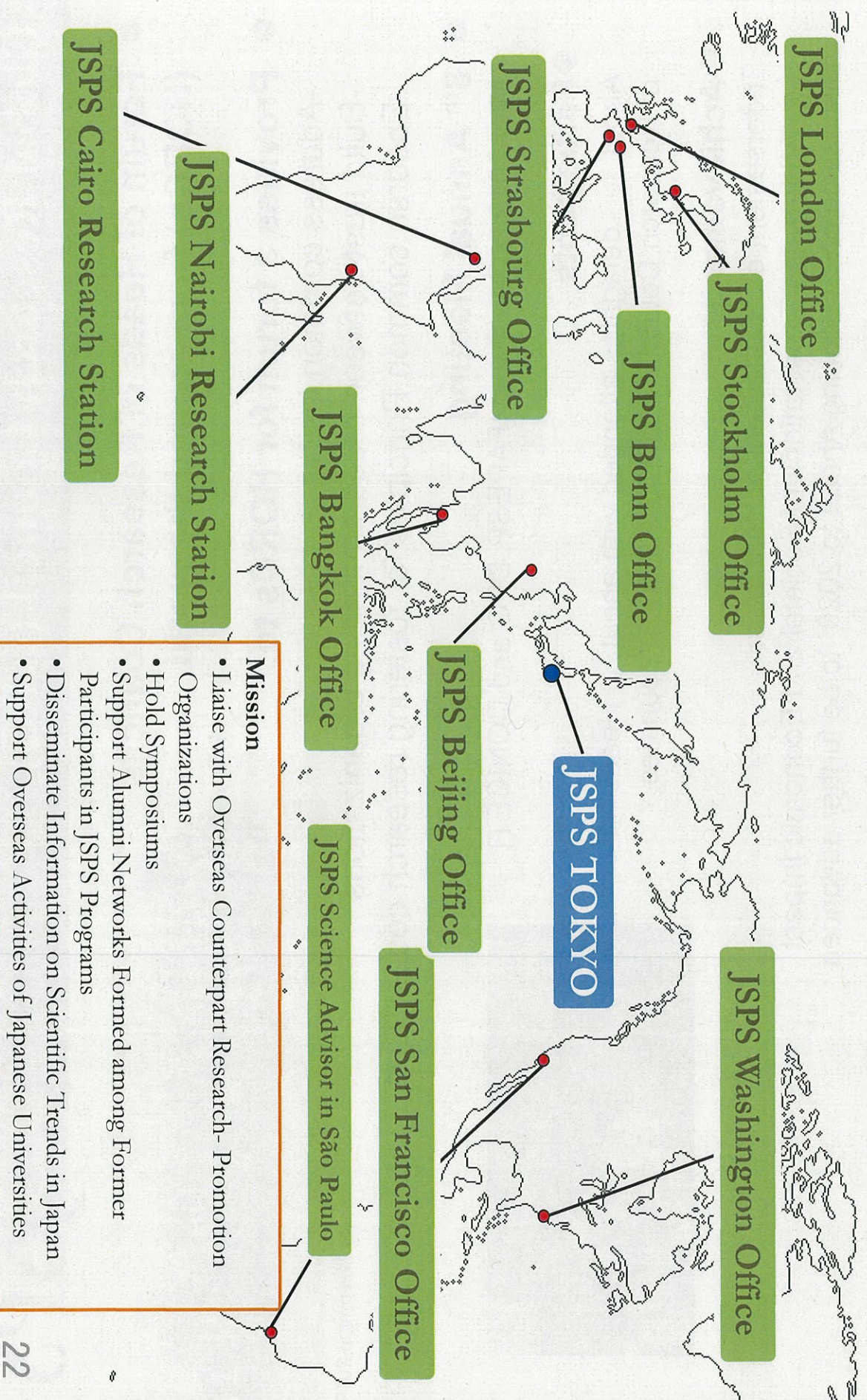
Next

9th Annual Meeting

May 2020 in City of Durban, South Africa [NRF and UKRI]

JSPS Overseas Offices

JSPS



ISPS

Since its establishment in 1971, JSPS has continuously supported the international advancement of scientific research in Japan. Currently, JSPS has overseas offices in 10 locations around the world along with international networks comprising about 90 counterpart organizations and some 26,000 past and present JSPS fellows.



1 Alumni Associations (Year of establishment, number of members)

The number of members : **7,933** (as of April, 2019)

	Germany (1995, 459)		France (2003, 636)		UK (2004, 745)		USA (2004, 2,530)
	Sweden (2005,163)		India (2006, 394)		Egypt (2008, 79)		East Africa (2008, 57)
	Korea (2008, 510)		Bangladesh (2009, 157)		Finland (2009, 90)		Thailand (2010, 87)
	China (2010, 1,344)		Philippines (2013, 169)		Nepal (2015, 39)		Denmark (2015, 39)
	Indonesia (2016, 123)		Australia (2017, 252)		Norway (2019, 60)		

JSPS Researchers Network (JSPS-Net)

JSPS

JSPS-Net is a social networking service that facilitates new collaborations within a worldwide researcher community. It is mainly aimed at Japanese and overseas researchers residing in Japan or abroad, overseas researchers scheduled to come to Japan, and the international programs staff of universities and other institutions.

As JSPS-Net makes extensive use of social networking service (SNS) functions in supporting the establishment of researcher communities, it's hope that you will take good advantage of its support when expanding your own circle of colleagues.

Main Features

► Friend Connection

Other members can be easily searched through various means, such in a particular geographical area or research field.

► Create Community

This site provides a function to create groups among registered people in the network. When a "group" is created within this community, its members can communicate and exchange information using the site. The site may also be used for holding alumni meeting and managing participant lists.

► Event Page

An event page can be created, via which notices can be posted, PR carried out, participants registered, attendance lists managed.

► My Research Life

JSPS-Net may be used by researchers in various fields to introduce their own research topics and activities. If you wish to do so, please contact us by email at jsps-net@jsps.go.jp

► Seeking Early-Career Researchers

By publishing updated information on JSPS-Net, we intended to help the user find the best match between host researchers and early-career researchers (e.g. postdocs). If you are a Japanese researcher who is willing to host an overseas researcher in Japan or if you know such a Japanese researcher, please contact us by email at

jsps-net@jsps.go.jp



<https://www.jsps-net.jsps.go.jp/>

